

## New Christy Minstrels at '65 Junior Prom, Nov. 8-11

The New Christy Minstrels, the Coasters, and the Isley Brothers will entertain at this year's Junior Prom, November 8-11. The weekend will begin with the formal Friday night dance and with Beaver Key's presentation of Field Day on Saturday morning. Cost of the weekend will be \$13.00. According to Bill Samuels '65, committee chairman, there will be no repetition of last year's line in order to obtain tickets. A distribution policy will be announced at a later date.

Extensive renovation of the Statler-Hilton ballroom has, in the opinion of the Junior Prom Committee, provided a "most elegant" setting for the forty-second annual formal and queen coronation. Bob Batchelder's orchestra, entertaining at last year's formal, will provide the music again this year.

Sophomores and freshmen will meet on Briggs Field Saturday morning to compete in mystery events and the traditional glove fight. Juniors and their dates will number among the many spectators. The event is under the sponsorship of Beaver Key, a junior honorary organization.

That afternoon, the ten voices of the New Christy Minstrels will fill Kresge Auditorium with their interpretations of folk music. Since their first public appearance in July, 1962, the group has been gaining popularity. Their record "Green, Green" and their appearance as regulars on the Andy Williams show have gained them national prominence.

The weekend will close Saturday night with a rock-and-roll dance in the Armory. The Coasters and the Isley Brothers are slated to entertain for four hours. The Coasters have recently appeared to sell-out crowds at Dartmouth, Cornell, and Princeton. The Isley Brothers, who recorded "Shout," have spent the summer on the West Coast.

## Art Show applications due Friday, October 4; Show to run Oct. 7-11

Final applications for the art show sponsored by the Association of Women Students are due Friday.

The show, open to all MIT students, faculty, and staff will run from October 7 through October 11. Exhibits will be displayed in the lobby of Building 10.

The show will display all forms of art, including paintings, sculpture, photography, ceramics, tapestry, etchings, and sketches.

Final application forms are available in Room 7-104.

## Ceremony at dorm

### Coed dorm dedication, Oct. 7

Stanley McCormick Hall, the first permanent residence for women at MIT, will be dedicated Monday, October 7, at 3:30 p.m. The new women's dormitory is the \$2,000,000 gift of Mrs. Stanley McCormick (Katherine Dexter '04) in memory of her husband.

The dedication ceremony will take place in the inner courtyard of the dormitory, with Dr. James R. Killian, Jr., Chairman of the MIT Corporation, presiding. Mrs. McCormick will make the formal presentation to Dr. Julius A. Stratton, President of MIT, who will accept on behalf of the Institute before a gathering of over 350 guests. These guests include members of the MIT Corporation

## Freshmen to elect council members

Freshmen Council elections will be conducted October 11 through October 15. The elections will be held in the freshman physics sections, each section electing one delegate and one alternate.

Voting is by preferential ballot.

## Twice size of present store

### Book dept. in new Coop to cover 10,000 sq. ft.

The book department at the new Technology Store to be located in the planned Student Center will have 10,000 square feet of floor space. This is about double the size of the entire present Coop and compares with 7,000 square feet of book space in the Harvard Coop.

The greatly expanded book section will stock a large selection of paperbacks including fiction, biography, history, and philosophy. The departments for textbooks and technical books will also be enlarged.

The new Coop will also carry an expanded line of merchandise. Plans call for sections for school supplies, records, men's furnishings, hats, shoes, ladies' wear, and a hobby shop.

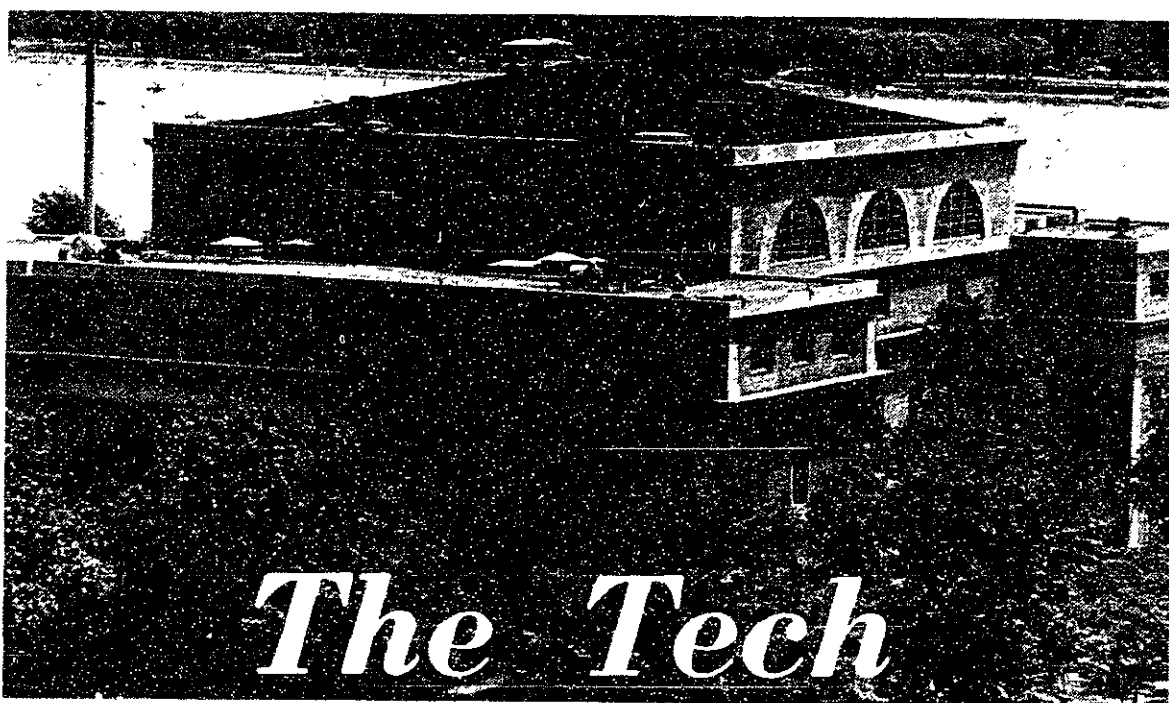
Some present services of the Coop will be discontinued, including the laundry service and food vending machines. These services

will be offered by other tenants of the Student Center.

The Harvard Cooperative Society owns the present Coop building on Massachusetts Avenue. Negotiations are now being carried on with MIT to transfer the Coop building to MIT in exchange for a lease in the Student Center.

Mr. Arthur W. West, Assistant General Manager of the Harvard Cooperative Society will be available at the Technology Store to discuss with interested students any ideas or suggestions they might have concerning the future store.

The new Coop will occupy the major section of the ground floor of the Student Center, comprising about 20,000 square feet of floor space. There will also be a drug store at this level. Plans call for the completion of the building in the spring of 1965.



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Cambridge, Massachusetts, Wednesday, October 2, 1963

Five Cents

## Faculty retirements

### Eight professors leave Institute

Eight faculty members retired July 1. They were: Dr. Edward L. Bowles, Consulting Professor of Industrial Management. Dr. Bowles, who has been at MIT since 1920, was consultant to Secretary of War Stimson during World War II, and has served in

various capacities in the federal government since then. At present, consultant to the president of Raytheon, he will continue to lecture in the School of Industrial Management.

Professor of Electrical Engineering Marcy Eager, who joined the Institute's Radar School in 1942. Professor Eager, who has taught the fundamentals of electronic circuits and has been involved in the administration of course VI-A, will remain at the Institute on a part-time basis.

Professor of Electrical Engineering Murray F. Gardner, who entered MIT in 1920 as a research assistant. He succeeded Vannevar Bush as head of the Electrical Engineering Research Division. Graduate Registration Officer for the past 30 years, he is internationally known in the field of operational circuit analysis.

Professor Ernest N. Gelotte of the departments of Architecture and Civil Engineering. Professor Gelotte, whose main interest has been the structural aspects of buildings, will continue as a Lecturer in Architecture.

Dr. Ernst A. Guillemin, Webster Professor of Electrical Engineering, has been here since 1926. Professor Guillemin's field is network analysis and synthesis. He was noted for his emphasis on doing problems in the simplest way possible.

Professor Louis Harris, of the Chemistry department. He began teaching in the Chemistry Department in 1928. His research has been concerned with electricity and optics and, more recently,

with thin metal films. He will continue as a Lecturer in the department.

Professor Ernest N. Huntress, Secretary of the Graduate School since 1953. Professor Huntress, at the Institute since 1920, is especially known for his work on the identification of organic compounds.

Professor Parry Moon, who joined the Electrical Engineering Department in 1924. He has done research in electrodynamics and is an authority on illuminating engineering.

## Feustel president

### Tau Beta Pi officers elected

The MIT chapter of Tau Beta Pi, national engineering honors fraternity, recently elected officers for 1963-64. They are: President, Edward A. Feustel; Vice President, Lansing Hatfield '64; Corresponding Secretary, Charles Counselman III '64; Recording Secretary, James Dailey '63; Membership Secretary, George C. Ebner '64; Treasurer Steven R. Dittmeyer '63; Cataloguer Keith Gilbert '63.

Eligibility for membership in Tau Beta Pi is restricted to those in the Schools of Engineering, Architecture, and Industrial Management who are in the top fifth of their class as of the end of their junior year or in the top quarter as of the middle of their senior year. Women cannot become regular members, but are eligible for special membership.

New members are elected in Oc-

## 120 Bay State Road dorm to be sold by Institute

By Stuart Orkin

The former girls' dormitory located at 120 Bay State Road will be offered for sale to MIT's fraternities, according to Assistant Treasurer Frederic Watriss. He added that the building will be put on the market once it is certain that MIT has no direct need for it.

Mr. Watriss explained that Dean of Residence Frederick Fassett has the sole responsibility of deciding whether or not the structure is an essential element of the MIT housing program.

Mr. Watriss said that all fraternities will be notified when the property is put up for sale. An appraisal of the building by an outside firm will be made. Mr. Watriss emphasized that there will be no auction. Instead, each fraternity will have the opportunity to discuss the purchase of the property with MIT. In the end, he explained, the fraternities wanting to buy it will have to decide among themselves which one may receive it.

"MIT", Mr. Watriss stated, "has no way to choose the fraternity that should be allowed to purchase it."

At this time, MIT has no immediate plans to release the structure. Neither Mr. Watriss nor Dean Fassett would speculate on how soon the property might be put up for sale.

The house at 120 Bay State Road, built over fifty years ago, had been used as a girls' dormitory until this fall. The building has accommodations for approximately twenty people. The opening of the new girls' dormitory, McCormick Hall, has made the use of the structure as a girls' residence unnecessary.

Presently there are no residents at 120 Bay State Road.

## Panel discussion Oct. 8 on Indian development part of India Week

MIT is taking part in the World Affairs Council of Boston's India Week, Oct. 7-12 by presenting a panel discussion on "The Indian Development Experiment - Its implications for the Future" Tuesday, Oct. 8 at 8 pm in Kresge Auditorium.

The panel, headed by Dr. Charles Meyer, MIT professor of economics, will include Mr. B. K. Nehru India Amb. to the U. S. Dr. Paul N. Rosenstein-Rodan, MIT economics professor, and Dr. Max Millikan, director of MIT's Center for International Studies. The group will discuss the economic program currently in operation in India.

For information and tickets, call Raghu Nath, Extension 156.

tober and February on the basis of all-around achievement and "promise of future contribution in their field." They are initiated in December and April after a pledge period during which they participate in public-service projects.

## Studying abroad meeting subject

Fellowship opportunities for study abroad will be discussed at a meeting 5 pm this afternoon, Wednesday, October 2 in the Little Theatre of Kresge Auditorium, Professor B. Allen Thresher, Fulbright program adviser at MIT, and Thomas Harrington, Jr., MIT placement officer will be participants on the panel.

The Tech incorrectly reported last week that the meeting would take place Tuesday, October 2.

## Goldwater supporters form MITSG; group to set up recruiting booth

MIT students interested in promoting the cause of U. S. Senator Barry M. Goldwater are invited to join and support the MIT Students for Goldwater, a newly-formed group being organized by David F. Nolan '65 and George A. Randall '66. Those interested in active participation should contact Dave Nolan or George Randall at X-3785. The MITSG, working in co-

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## Kibitzer

By MICHAEL LINAH

North	
♠ A 8 7	
♥ A 8 7	
♦ K J 8 4	
♣ K Q 2	
West	
♠ 9 5 4	
♥ Q 3 2	
♦ 7 6 3	
♣ J 10 9 8	
East	
♠ 10 6 3 2	
♥ 9 6 5 4	
♦ A 9	
♣ 6 4 3	
South	
♠ K Q J	
♥ K J 10	
♦ Q 10 5 2	
♣ A 7 5	

Duplicate. South dealt. Both sides vulnerable. The bidding:

South West North East  
1 N.T. Pass 6 N.T. All Pass  
West led the Jack of Clubs.

Terrence Reese is considered by general consent to be the best technician at the play of the hand. His mind is agile and quick to grasp any end-play situation. In his book, "Play Bridge with Reese," he reconstructs seventy-five hands, demonstrating how he draws inferences, counts out hands, and then plays flawlessly. Of all the plays in his book, to lead the Jack of hearts from

the most clever is neither squeeze nor end-play nor trump coup but rather some clever maneuvering. The scene is an open pair championship in a tournament. Reese and his partner sit down against two charming little old ladies.

The bidding is short and to the point, and West, complaining that all the good players bid and make slams against her, leads the Jack of clubs. Obviously, the whole hand revolves around finding the Queen of hearts, since the Ace of diamonds must always be lost.

Reese won the lead in dummy with the Queen of clubs, and set out to establish the diamonds, East taking her Ace on the second round. The club return was won in dummy with the King of clubs, and now the diamonds were run, in hopes of inducing a possibly revealing heart discard. East pitched a club on the third diamond, a spade on the fourth, West pitching a club.

Having run the diamonds so as to be in his hand with the fourth one, Reese was ready to take a view on the hearts. One possible way of playing the suit would be

the closed hand and see if West fumbles, marking her with the Queen.

If not, the Ace may be taken and East finessed. Reese was about to do this when he looked up at West who was watching his deliberation keenly, and who smiled at him.

### Reese's Solution

He was now sure that that would not work. Suddenly it hit him. Let's see what West does if she doesn't have a Queen! He led the Jack of spades from his hand. West hesitated a split second and played low.

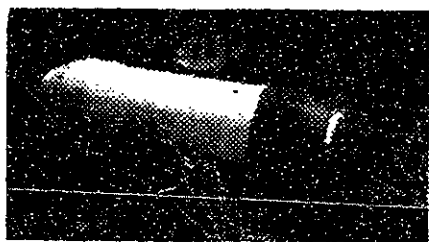
Up with the Ace of Spades in dummy, and back to his hand with the Ace of clubs, Reese now led the Jack of Hearts. West played low without any hesitation whatsoever. Aha! She has the Queen. The Jack was passed, and the slam made.

Whether West's hesitation on the spade play was deliberate or not, the lesson is clear. If a player makes all bids and plays with the same tempo, he becomes a tougher bridge player to play against. As the saying goes, it pays to know whom you are dealing with at the bridge table.

This week's hand. You deal and hold: ♠ Q J 10 9 6 4, ♥ void, ♦ A K Q J 5 3, ♣ A.

You open 1 ♠, and your partner raises to 2 ♠. What action do you take? Answer next week.

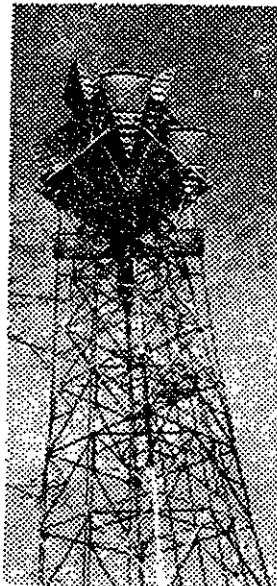
## Progress in the Bell System...



SWIMS...



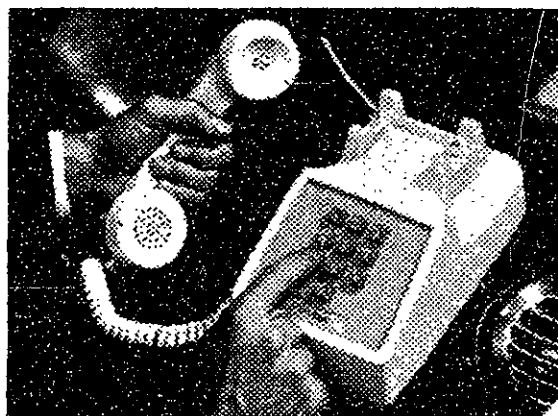
ORBITS...



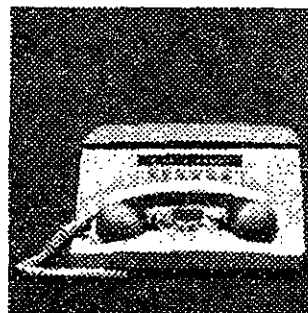
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# New women's dorm evokes impressive praise

MIT coeds are busily and rapidly adjusting to life in the campus' newest dormitory, Stanley McCormick Hall. The building, made possible by a gift from Mrs. Katherine Dexter McCormick, '04, is MIT's first truly beautiful dormitory. The total cost of the dorm is approximately \$2.5 million; much of this was spent on the fine materials and tasteful furnishings that add greatly to the beauty of the interior.

The dorm is designed for comfort and convenience in every phase of the coed's life. Study facilities include desks and wheeled bookcases in the rooms, plus a number of study rooms and sound-proof typing rooms on the eighth floor. A resident faculty member and his wife, Professor and Mrs. Lynwood Bryant, are always available for advice and counseling. The Bryants live on the second floor, which is also the location of a conference and seminar room.

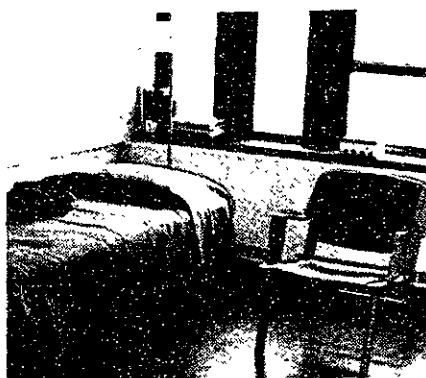
Daily life in McCormick Hall is relaxed and pleasant amid the lovely, modern decor of the interior. The single and double rooms are supplied with firm new beds and comfortable chairs; each floor is supplied with a kitchenette and lounge; and the eighth floor penthouse provides comfortable, relaxed surroundings plus a panoramic view of Boston, the Charles Basin, and the MIT campus. Residents have compulsory commons meals, but a scattered survey indicates that the quality of McCormick Hall food is superior to the meals at the larger dorms.

The social life of the coeds is bound to flourish in the new dorm, which is certainly impressive to male visitors. The first floor is open to visitors at any time; the upper floors are only open from 2 till 5 on Sundays. The first floor alone, however, is adequate for the social needs of the dorm. The front entrance of the Hall, facing on Kresge, leads into a lobby and the reception desk; down the hall are small, doorless, waiting rooms walled with handmade grass paper and furnished, as is the rest of the Hall, in Danish Modern style. The living room and adjacent lounge

have grouped chairs, coffee tables and grand piano—which the girls have already covered with music ranging from Beethoven Sonatas to pop hits—and a beautiful rug which can be pulled back to reveal a polished hardwood dance floor. The lounge is hung with original eighteenth century English landscapes; scetches and oil adorn the other rooms of the floor. The dining room and the private dining room for small, formal parties adjoin the lounge opposite the living room. These rooms on the first floor surround a patio similar to the Hayden Court.

The new dorm holds 116 girls, and is replacing both the Freshman Girls' Dorm on Bay State Road and the Bexley Hall apartment system. No definite reaction to the change is noticeable yet, but the new dorm has so far aroused only favorable comments from the coeds.

Part of a double room in McCormick Hall, showing the furnishings which, together with a desk, are in every room. Girls are allowed to add any articles they desire.



Part of a double room in McCormick Hall, showing the furnishings which, together with a desk, are in every room. Girls are allowed to add any articles they desire.

—Photo by Steve Teicher



Mona Dickson '66 plays the Chickering grand in the living room of McCormick Hall. The room's other furnishings include linen curtains, mahogany woodwork, and Danish modern furniture.

—Photo by Steve Teicher

The commons dining room in the new hall. The door at the rear leads to the private dining room, which accommodates eight to twelve persons at formal gatherings.



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—Photo by Steve Teicher



Elaine Ackles '67 chats with Sara Law '67 in the penthouse on the eighth floor of McCormick Hall. The windows behind them afford a view of Graduate House and the Great Dome.

—Photo by Steve Teicher

## Cherchez la Femme:

### Friday best bet for mixers this week

By Dave Trevvett  
A fast Friday and a slow Saturday highlight this week's mixer schedule:

**Friday, Oct. 4**  
BU School of Nursing, on the Shelton roof, 91 Bay State Rd., near Kenmore Sq.; 8-11:30 pm, \$25 donation, suits and ties; combo band; the circular reads, "Tickets must be presented for admission. Contact Cynthia Ratigan at Saugus: Center 3-2184 for tickets or information."

in Ruth Page Sweet Hall, 387 Boston Ave., Medford; 8-12 pm, \$75 admission; music by the Barnstormers; refreshments. Fisher Junior College, at Boston YWCA, 8-12 pm, \$1.00 donation; features Harvard Krokodiles, music by George Horwood's orchestra.

Grad House, MIT, Acquaintance Dance, 8-12 pm, \$1.25 donation at door; music by Richard Martin; in the Campus Room; women free; refreshments.

Lesley College, get-acquainted dance, 8-12 pm, \$1.00 admission; in Trentwell Mason White Hall, 31 Everett St., in back of Harvard; music by Herbie Wayne's orchestra.

MIT Freshman Mixer, Walker Memorial, starting 8 pm; refreshments; George Graham orchestra; admission by ticket or freshman I.D.

Mount Auburn Hospital School of Nursing, Margaret Jewett Hall, 8-12 pm; music by The Imperials; \$.99 admission, refreshments.

In addition there may be a mixer at Wheelock Friday night at 8 pm. However, at press time final arrangements had not been made. Try calling the dorms for further information.

**Saturday, Oct. 5**  
Harvard Graduate Student Association, Fall Mixer, 8-12 pm, at Harkness Commons, Harvard; Ladies free, men \$1.00 or show Grad School Activity Card; George Graham's orchestra.

The Towers, BU, a car wash; \$.50 per car; you drive your car through, watch three groups of girls (who have obtained special permission to wear slacks for the occasion) soap, rinse, and dry your car, respectively; and if you happen to have some spare old rags, bring them along; the girls are short; incidentally, the dance planned for Sat. night was called off — the cops were afraid of a riot.

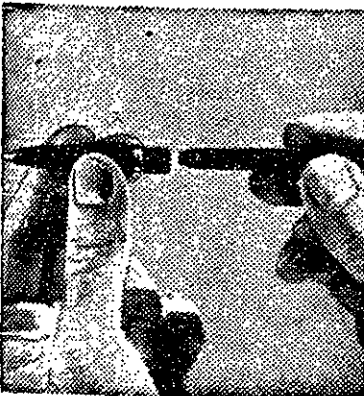
**Sunday, Oct. 6**  
Longwood House, Wheelock, 2-5 pm, open house; punch and cookies.

There may also be some mixer activity at Radcliffe these next two weekends. And there's rumor of a mixer at the new West Campus women's dorm at BU (Babcock St.) Friday night. Lastly, the girls at The Towers, BU, are planning a mixer October 25 haven't yet come up with a good theme. If you have any suggestions, send them in to The Tech and we'll relay them to the social chairman.

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## Inscomm forming organization to guide student entrepreneurs

A corporation designed to regulate and support student entrepreneurial activities is being formed by the Institute Committee. President of the group is Frederic M. Armstrong '64.

In the past, student entrepreneurial activities have resulted in unregulated use of MIT's facilities.

The Institute Committee has investigated the problem at great length. In June, 1962, Jerry Winston '62 made the first report. Walt Winshall '64 then completed a survey in October of last year. The most recent report was submitted by Steve Miller '64 last May.

According to the reports, a regulatory board should be set up to assist all student entrepreneurial activities. In addition, the use of MIT's facilities by profit making groups should be carefully governed.

### John Ciardi to lecture tomorrow 8pm in 26-100

John Ciardi will speak at MIT tomorrow evening, 8:00 pm in Room 26-100. Ciardi, sponsored by the Lecture Series Committee, has served as Poetry Editor of the Saturday Review and is noted for his translations of Dante.

The result of these studies was the formation of Technology Student Enterprises, Inc. The basic aim of the organization according to Jerry Luebbers, Undergraduate Association President, is to assist student entrepreneurs. Such assistance would include legal assistance, access to capital, and other business aids. Although containing a regulatory element, Luebbers emphasized that the primary function of the organization is to aid and support student entrepreneurial activities.

Technology Student Enterprises is not the first organization of its kind. Harvard University has regulated student entrepreneurs for many years through Harvard Student Activities, Inc.

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# Freshman morale

## Part Two

A grim picture of MIT was painted by the Sussman report in 1960. Freshmen were subjected to great stress by the extreme emphasis on grades, weakness of social groups, absence of strong faculty-student relations, and lack of rewards and interests other than grades. Many freshmen had low morale.

Today, Dr. Sussman's study is largely outdated. The student body has changed and improved so much that some of her observations no longer apply. Involvement between the students and the faculty are increasing in frequency and degree. Finally, the Institute has been investing time, thought and money to reduce the emphasis on grades for grades sake.

For all that has been done by MIT to ease the former starkness, perhaps the greatest change is in the entering students themselves.

**New students are improving.** Tests show that today's freshmen are verbally superior, intellectually broader, and mathematically more competent than those of 1958, when Dr. Sussman did her research.

In fact, average scores on the college board exams have been rising at about 10 points per year for the past ten years. Comparisons with other Ivy League schools show that the typical tech man has stronger theoretical interest, about the same esthetic interest; and more originality.

Moreover, freshmen have broader interests than ever before. One student leader got excited about the athletes, quick smiles, ready wit, and "overall personality" of the class of '67. The growing number and strength of clubs, publications, music groups, and other activities on campus is another indication of this increased breadth.

### Students meet professors more.

Several innovations are being pushed

to insure greater involvement between the professors and the students. For example, freshman seminars this year are giving about 325 new students a weekly chance to have an intimate meeting with a senior faculty member.

Commenting on these seminars, one freshman said, "It was exciting to learn how a professor did his research, and how he handled tedium and disappointment."

In addition, the freshman tutorial program has been expanded from disorganized quiz reviews to small problem-solving sessions and popular formal reviews.

However, two basic problems remain. First, the majority of the faculty live several miles from the campus. This makes it inconvenient for them to see students except during standard working hours.

Second, to establish their professional career, professors must spend a large amount of their time on research. Typically, our faculty members are as busy as any group of men in the country, and this leaves little time for them to see students.

**Grades are not enough.** Considering MIT's tradition of "education for leadership," we sometimes wonder whether the skills required to make a 5.0 cum are the same as those needed for leadership? To the extent that they are not, MIT is failing in its self-appointed task every

time that it encourages students to compete for higher grades.

In any case, it is important that other areas of achievement be recognized and rewarded by the Institute. Just what should be encouraged and how it should be rewarded are two of the topics now being studied. Dr. Snyder, of the Psychiatric Staff, and Prof. Rule, former Dean of Students are doing the research.

**Action has been taken.** MIT has been vigorous in correcting some of the ills described in the Sussman study. But we doubt that this action was caused by the study. Nevertheless the results have been good.

Several million dollars have been spent improving the dormitories. The curriculum has been improved to emphasize basic concepts and reduce "hack work."

An important study by the Zacharias committee is in progress, and will probably produce major innovations in the curriculum. For example, the preliminary report recommended reducing Institute requirements by one subject each in physics, chemistry and calculus.

The Sussman report was limited because it considered only one freshman class. However, class morale is an important indicator of how well MIT is succeeding in its tasks. Moreover, increasing the happiness of the people here is a worthwhile end in itself.

## A candle in the dark

The Senate overwhelmingly ratified the nuclear test ban treaty last Tuesday. The treaty's strong support shows the American desire to step away from the brink of nuclear destruction.

One American expert in arms control and disarmament, Prof. Lincoln P. Bloomfield, says Soviet interests in signing the treaty "were probably very much like our interests."

The main Soviet motivations in signing the test ban treaty, as we see it, are as follows:

1. The Russians feel that they are reasonably well off in weapons development and can afford to limit further testing.
2. Troubled by increasingly bitter relations with the Chinese and by a poor grain harvest, the Russians want to warm up relations with the West. Before the winter is over, Russians may need to buy surplus American grain.
3. The Soviet Union has an interest in curtailing the spread of nuclear weapons to nations which do not presently possess them.
4. The Soviets feel an interest in steps toward preventing accidental war.

After signing the treaty, what now? Dean Rusk and Andrei Gromyko are now discussing areas of further agreement. We feel that future agreements may include:

1. Stationing of observers at critical points such as transportation centers. Observers from each side could observe possible war preparations of the other. In our open society, this measure would cost us little. It would, however, lift the traditional veil of Russian secrecy.
2. Establishment of nuclear - free zones, where nuclear weapons would be prohibited.
3. Banning of the orbiting of nuclear weapons.
4. A cutoff in the production of fissionable materials.

Of course, there are risks in signing an agreement with the USSR. Today's zig may be tomorrow's zag in Soviet policy. Moreover, in a test ban treaty we must balance the danger of Soviet cheating against the dangers of continued testing.

The test ban treaty is only a beginning, but it is, at least, one candle in the darkness of mutual suspicion.

## Inside Inscomm

### Who knows Aunt Elise?

—by Jerry Luebbers, UAP—

A cryptic title? Yes, certainly, but not a fictitious one. Indeed, we have now at the office a post card addressed only to MIT and relating the scenic wonders of Chicago along with a wish for our well-being. The problem, of course, is the fact that we can't find anyone in Walker who's ever heard of Aunt Elise.

And why is Aunt Elise of significance? Frankly, she's a tool in helping me to convey to you some of the less formal aspects of the Undergraduate Association. In the past two weeks, I've been upon to join several representatives of foreign schools in a discussion of our system.

These groups were more than just interesting—they were educationally enlightening. Two Dutch students were here to get the feel of the "campus concept." They were members of a Netherlands national group sponsoring the development of an entirely new school. The school, primarily one with technical leanings, was to be the first in the Netherlands with a campus residential system.

An Argentine, here with a State Department guide and interpreter, was a past president of his country's equivalent of our National Student Association. The parallels between his and our attitudes stood in marked contrast to an Argentine delegation last spring.

At that time, I was faced with an indignant guest who failed to understand our "disinterest" in

national and civil rights matters, while Mr. Alvarez agreed wholeheartedly that student government should be internally oriented. Indeed, he was able to provide me with information pertinent to our own current investigation of the NSA.

Oh yes, and to make the whole picture even more disjointed, anyone who agrees with the midwestern gentleman who is soliciting our aid in petitioning JFK to wipe out "menticide" should feel free to pick up the card at 50-110 and carry the ball. . . . Don't ask me. I don't know what he means either!

### Indian Delegate to U.N. will speak here Sunday

Mme. Vijaya Lakshmi Pandit, head of India's delegation to the United Nations, will speak at MIT Sunday, October 6.

Sister of India's Prime Minister Nehru, Mme. Pandit was her country's first ambassador to the USSR in 1947, and was appointed ambassador to the United States and head of the Indian UN delegation in 1949.

In 1953 she became the first woman president of the UN General Assembly.

The speech, which will be followed by a question-and-answer period, will be in Hayden Library Lounge at 3:30 p.m.



Vol. LXXXIII No. 17 Oct. 2, 1963

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The title photograph on Page 1 is a view of Walker Memorial. Named in memory of President Francis Amasa Walker, this building houses dining halls and the offices of several student activities.



Peanuts appears daily and Sunday in the Boston Herald.



Hobby Shop to open new location  
expansion of facilities also planned

The MIT Hobby Shop will open new facilities in the armory very soon. The new expansion of available equipment in the new location will include provisions for printing, woodworking, and metalworking. Any MIT student can gain access to these facilities by the purchase of a \$5 annual membership. This covers the cost of the use of the equipment but not the cost of materials which must be supplied by the student. Formerly the Hobby Shop was located in the basement of building 2, room 051.



# On Campus

with Max Shulman

(By the Author of "Rally Round the Flag, Boys!" and, "Barefoot Boy With Cheek.")

WORDS: THEIR CAUSE AND CURE

Today let us take up the subject of etymology (or entomology, as it is sometimes called) which is the study of word origins (or insects, as they are sometimes called). Where are word origins (insects) to be found? Well sir, sometimes words are proper names which have passed into the language. Take, for instance, the words used in electricity: *ampere* was named after its discoverer, the Frenchman Andre Marie Ampere (1775-1836); similarly, *ohm* was named after the German G.S. Ohm (1781-1854), *watt* after the Scot James Watt (1736-1819), and *bulb* after the American Fred C. Bulb (1843-1912). There is, incidentally, quite a poignant little story about Mr. Bulb. Until Bulb's invention, all illumination was provided by gas, which was named after its inventor Milton T. Gas



who, strange to tell, had been Bulb's roommate at Cal Tech! In fact, strange to tell, the third man sharing the room with Bulb and Gas was also one whose name burns bright in the annals of illumination—Walter Candle! The three roommates were inseparable companions in college. After graduation all three did research in the problems of artificial light, which at this time did not exist. All America used to go to bed with the chickens, and many fine citizens were, alas, severely injured falling off the roost. Well sir, the three comrades—Bulb, Gas, and Candle—promised to be friends forever when they left school, but success, alas, spoiled all that. First Candle invented the candle, got rich, and forgot his old friends. Then Gas invented gas, got rich, bankrupted Candle, and forgot his old friends. Then Bulb invented the bulb, got rich, bankrupted Gas, and forgot his old friends. Candle and Gas, bitter and impoverished at the ages respectively of 75 and 71, went to sea as respectively the world's oldest and second oldest cabin boy. Bulb, rich and grand, also went to sea, but he went in style—as a first-class passenger on luxury liners. Well sir, strange to tell, all three were aboard the ill-fated *Lusitania* when she was sunk in the North Atlantic. And strange to tell, when they were swimming for their lives after the shipwreck, all three clambered aboard the same dinghy! Well sir, chastened and made wiser by their brush with peril, they fell into each other's arms and wept and exchanged forgiveness and became fast friends all over again. For three years they drifted in the dinghy, shaking hands and singing the Cal Tech rouser all the while. Then, at long last, they spied a passing liner and were taken aboard. They remained fast friends for the rest of their days, which, I regret to report, were not many, because the liner which picked them up was the *Titanic*. What a pity that Marlboros were not invented during the lifetimes of Bulb, Gas, and Candle. Had there been Marlboros, these three friends never would have grown apart because they would have realized how much, despite their differences, they still had in common. I mean to say that Marlboros can be lit by candle, by gas, and by electricity, and no matter how you light them, you always get a lot to like—a filter, a flavor, a pack or box that makes anyone—including Bulb, Gas, and Candle—settle back and forswear pettiness and smile the sweet smile of friendship on all who pass!

Etymology is not the business of the makers of Marlboro Cigarettes, who sponsor this column. We deal in rich tobaccos and fine filters. Try a pack soon.

College World

ARF collects dust in Chicago; 200 tons found monthly in Loop

By Toby Zidle '63

The Technology News of Illinois Institute of Technology reports that Chicago is getting cleaner every year. This is one of the conclusions of a study made at MIT

by the Armour Research Foundation. The Foundation is currently collecting dust from all areas of Chicago as part of a "dust abatement" program begun in 1926. Since then, ARF has been measuring the amount of dust fallout and studying the soiling properties of dust.

The 1926 studies showed that dust was settling in Chicago at a rate of 325 tons per square mile per month. This amount has now been reduced to about 47 tons per square mile per month. Principal reasons for the decrease have been cited as the disappearance of vacant areas and dirt streets and alleys and also the large-scale changeover from coal to oil in heating. Some areas of Chicago, however, still have a very high dust density. The Loop, for example, still collects almost 200 tons per square mile per month.

CLASSIFIED ADS

1962 LAMBRETTA L125 in excellent condition with new windshield. Privately owned by Carnegie Tech student. Scooter located in Cambridge near MIT. Call 491-2400, Mr. Slavin.

TENOR BANJO — Birds-eye maple with extra strings, wrench, and leather case. Excellent condition. \$50. JA 2-1051.

1940 CADILLAC for sale. In fair condition. Best offer accepted. Call RE 4-1770 evenings.

1960 to 1962. Did you see TV Bandstand's TOMMY SCOTT and his motor home? Reward for when and where. MIT ext. 5489.

FOR SALE — 2 1/2 year old Volkswagen, excellent condition, radio, seat belts, \$1195. VI 4-0668.

MUST SACRIFICE—Vespa '59 GS. Well maintained, repainted, equipped, excellent value. Responsible owner—must sell. RE 4-0475.

WANTED: collaborator. Topic: social. Approach: conventional—REVERSED. Resume: Conner, 339 W. 40th St., San Bernardino, Cal. 92407.

The apparatus for collecting dust consists of wooden boxes on long metal rods. Inside the boxes are several glass jars each filled with a liquid. The settling dust becomes trapped in the liquid. The jars are changed each month and brought to ARF labs for analysis. The liquid is then filtered and the amount of dust

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After 20 Years A second long-term study has been going on at the State University of Iowa. After 20 years of studying his own left thumbnail, an Iowa professor has determined that fingernail growth slows with age.

The professor began his study in 1942 at the age of 32. At that time it took his nail about 133 days to grow from the cuticle to clipping length. In 1959, it took 136 days to grow, and now it takes over 138 days.

Stratton Retires The headline read "President Stratton Retires With Distinguished Record." The newspaper was The Campus of Middlebury College, and the president was not MIT's Julius A. Stratton but Samuel S. Stratton, who served twenty years as Middlebury's president.

President Stratton's years at Middlebury are being heralded as two decades of steady growth. Enrollment has increased from 347 to over 1300. Since 1943, 5147 degrees have been awarded, as compared to 5290 degrees from 1802 to 1942. The college budget was raised from \$424,710 to \$3,824,840, and a similar expansion occurred in the school's endowment.



Does a man really take unfair advantage of women when he uses Mennen Skin Bracer?

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## Making the Scene

**THIS WEEK MUSIC**

Montevani — and orchestra, Symphony Hall, tonight 6:30; \$2.00 to \$4.50.

Odette — Oct. 5, Kresge Auditorium, 8:30; tickets \$2.50, \$3.00 in lobby of Building 10.

Each evening — Festival Orchestra of New York and New York Chamber Solists, Oct. 5, Sanders Theatre, 8:30; Suite No. 1, Brandenburg Concerto No. 5, Canzoni 65 'Ich armer Mensch'; \$2.75.

Gardner Museum — Nadine Deletaille, pianist, Oct. 6, 3:00; Bach's Toccata in C minor, Chopin's Ballade Op. 38, Debussy's Sereade Interruption, Les collines d'Anacapri Ce qu's vu le vent d'ouest, Poot's Etude and Beethoven's Sonata Op. 63; free.

Chapel Organ Series — James Dalton, from Queens College, Oxford, Oct. 6, 4:00; free.

S	M	T	W	T	F	S
6	7	8	9	10	11	12
13	14	15				

**LECTURES**

John Ciardi — Oct. 3, Room 28-100, 8:00.

Canterbury Lectures — Theodore Ferris, 'Robinson: Honest to God,' Trinity Church, Oct. 6, 8:00.

Ford Hall Forum — Malcolm X, 'God's Solution to America's Race Problem,' Jordan Hall, Oct. 6, 8:00; free.

'What's Eating Modern Theologians?' — Dr. L. Harold De Wolf, 'Jesus, the Norm of Life,' Old South Church, Oct. 6, 3:30.

**THEATRE**

Mark Twain in Tonight — Hal Holbrook, Kresge Auditorium, Oct. 3, 8:30; \$2.50, \$3.00.

Indian dance company — Shanta Rao, Loeb Drama Center, Friday and Saturday, 8:30.

LSC Contemporary Series — 'La Dolce Vita,' Oct. 4, Kresge Auditorium, 6:00, 9:00.

La Dolce Vita is probably Federico Fellini's most famous film. It is an analysis of the seamier side of life in contemporary Rome, and on a broader scale Fellini tries to show the decay of modern civilization.

LSC Entertainment Series — 'Lower Come Back,' Oct. 5, Room 10-250, 5:15, 7:30, 9:45; Rock Hudson, Doris Day, Tony Randall Rock Hudson, who runs a Madison Avenue ad agency is forced to hire a scientist to invent VIP,

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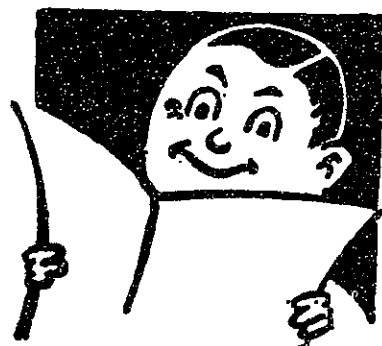


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a new product which he has already advertised on television. Comedy situations arise with Rock and Doris in another "Pillow Talk" romantic mixup. (Color)

LSC-Claude Series — 'Potemkin,' Oct. 6, 6:30, 9:00, Room 10-250, By ticket: only (\$3.00)

This now-famous film, the work of the great Russian director Sergei Eisenstein, recreates the spirit of the 1905 revolution through the depiction of one of its incidents. It's incredible 'Odessa Steps' sequence is, perhaps, the best extant example of Eisenstein's 'shock attraction' theory of film editing. (USSR, 1925) Also, Kino Pravda

**NEXT WEEK MUSIC**

BSO Open Rehearsals — Oct. 10, 7:30; \$2.50

Count Basie — Kresge Auditorium, Oct. 12, 8:30; \$2.50, \$3.00, Seniors, \$2.25, \$2.75

'Black Nativity' — Gospel play, Shubert Theatre, Oct. 14-26; Oct. 15 student performance, 7:00, \$1.95; other nights, \$5.50-\$2.50

National Ballet of Canada — Oct. 16, Donnelly Memorial, 8:30; \$1.75, \$2.50, \$3.50, \$4.00, \$4.50, \$5.50

**MISCELLANEOUS**

Moscow Circus — Oct. 10-20, Boston Garden, evenings, 8:00, Sunday 2:00, 6:00, Saturday 10:30, 2:30, 8:00; \$1.50, \$2.00, \$3.00, \$4.00, \$5.00

John M. Galbraith — former Ambassador to India, Oct. 11, 8:00

New England Theatre Conference — Oct. 11, 'The Theatre Training Program in Secondary Schools,' 3:00 to 6:00; Oct. 12, 'The Emerging Theatre,' 10:00 to 3:30

### theatre . . .

## New theatre company scores success

By Joseph C. Lambert

The Theatre Company of Boston was founded in July by the co-producers Naomi Thornton and David Wheeler. In this time they have produced eight plays of more than routine merit. Although unsure of exact plans for future productions (the Director, David Wheeler, is currently recuperating from emergency appendectomy) the ambitions of the group are commendable. Among plans for the future are productions of larger scale, "road productions" to be sent to schools and colleges throughout New England, the foundation of a larger theatre (the Hotel Bostonian Playhouse seats 95), and the retention of the current playhouse for an "experimental theater." This reviewer found the staff of the Company to be optimistic and devoted to the organization. With the much-deserved recognition which the Company should receive from the students of Boston, these goals do not seem to be in the distant future.

As an example of the work of this company, Harold Pinter's "The Caretaker," recently presented at the Hotel Bostonian Playhouse, marked continuation of the success story of the new Theatre Company of Boston.

The play, a sometimes slow-moving tale of the peculiar relationship between two brothers and a pathetic hobo, was acted

remarkably well by James Leo Herlihy, Richard Shepherd, and Donald Berry. The pathos inherent in the characters ("Tomorrow I will go out and find a job" "We can't clean the mansion until we clean the yard, and we can't clean the yard until that pile of scrap is moved; we'll start it tomorrow") casts a spell that is hard to break upon the audience. Were it not for the occasional and very aptly placed comic relief, the entire production would assume a maudlin aspect. Mechanically, the acting and the production were more than adequate. The three actors are thoroughly experienced (and, for those who were "teeners," James L. Herlihy is the author of "Blue Denim") and this experience is apparent, but occasionally painful obvious, in the character portrayals. Nevertheless, the finesse of all three, particularly Donald Berry in his role as Mick, more than balances the scale in favor of the production. An evening (at student rates on the weekends)

at the Hotel Bostonian Playhouse is more than worth the time and money.

Although "The Caretaker," has ended its run in Boston, the play to come from the Theatre Company of Boston may be well worth attending; and if they are of the calibre of "The Caretaker," they are definitely recommended entertainment for an evening in Boston.

Theatre Company of Boston Presents: **THE CARETAKER**; Directed by David Wheeler; Produced by Naomi Thornton and David Wheeler; Written by Harold Pinter; Scenery and Lighting by Barry Woolridge; Sound Effects by Edwin Henning.

Mick . . . . . Donald Berry  
Asa . . . . . James Leo Herlihy  
Davies . . . . . Richard Shepherd  
At the Hotel Bostonian Playhouse, 1138 Boylston Street, Boston.

### Hal Holbrook to give Twain impersonation

Hal Holbrook in 'Mark Twain Tonight!' will be the first attraction in this season's Guest Artists Series sponsored by the MIT Choral Society.

Tomorrow in Kresge Auditorium at 8:30, Mr. Holbrook will recreate a reading as the American humorist would have given it.

Made up to look like the white-haired, white-suited, cigar-smoking Missourian, he will present selections from Twain's 'Huckleberry Finn,' 'The Innocents Abroad,' 'Life on the Mississippi,' and 'Roughing It.'

Tickets are \$2.50 and \$3.00.

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## Count Basie coming with blues orchestra

Count Basie and his orchestra will give a concert in Kresge Auditorium on October 12 at 8:30 pm. The event will be under the sponsorship of the Class of '64.

Basie has led a big band continuously for two and a half decades. He has won first place in the Down Beat Critics' Poll four times, in addition to winning the



Count Basie

Down Beat Readers' Poll and the Readers' Poll of France's Le Jazz Hot magazine.

He has gained a global reputation through his loyalty to the blues as a basic form, and his ability to produce, year after year, a series of best-selling records.

In 1961, he was personally invited to play at the Inaugural Ball for President Kennedy.

The entire group consists of sixteen pieces and a vocalist.

Tickets are available in the lobby of Building 10 at a cost of \$2.50 and \$3.00. Seniors will receive special prices of \$2.25 and \$2.75 upon presentation of their student activities card.



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# LSC's Classic film choice not up to expectations

This is the first in a series of weekly entertainment columns. The reviewer will present his opinions of the current movies in the Boston area in hopes that they may be of service to our readers.

By Gilberto Perez-Guillermo

Should the Lecture Series Committee's recent experiment on 'Classic Films' prove a failure, the blame would probably fall on the student's lack of interest in 'the art of the film.' This would be unfair, I think, because the selection of films leaves a lot to be desired. Also, one is faced with the choice of seeing all or none of the films.

In splitting the old 'Classic Series' into two parts, LSC has apparently based the division on chronology. The trouble is that a large gap has been left in the process. The 'Contemporary' series seems concerned only with the very recent films, and the 'Classic' series is devoted mostly to silent films. Thus, a considerable part of the careers of such notable directors as Hawks, Oph-

uls, Rossellini, Lang, Renoir, Bresson, Minnelli, Vigo, Carne, Welles, Sternberg, Mizoguchi, Chaplin, Eisenstein, King Vidor, Visconti, Hitchcock, to name only a few, seems to be ignored by LSC.

Even within their chosen areas, the silent film and the very recent one, the choices made by LSC seem inadequate. The only countries represented from the silent area are Russia and Germany. Thus, American directors such as Griffith, Stroheim, King Vidor, Chaplin, and Keaton, European directors such as Dreyer, Gance, and Feuillade, are not represented. Even among the Russian films, 'Potemkin' is the only undeniably great one. And among the German ones, the two giants of German expressionism, Murnau and Lang, are left unrepresented. In the brief comment on 'Variety,' LSC grants that it was derived from Murnau's 'The Last Laugh.' Why not have 'The Last Laugh' then? Or 'Faust,' 'Sunrise,' 'Tabu,' or any other of Murnau's great works? It is about time LSC learned that to be old is not a necessary or sufficient condition for a film to become a 'classic.'

As for the 'Contemporary Series,' it seems heavily oriented towards box-office successes of no special artistic merit, such as 'Stalag 17,' 'La Dolce Vita,' 'Ballad of a Soldier,' or 'Shane.' Some are downright bad, like 'Phaedra,' 'From Here to Eternity,' 'The Lavender Hill Mob,' or 'Boccaccio '70' (except for the Visconti section). Hawk's 'Rio Bravo' is a far better Western than 'Shane,' but it lacks 'adult' pretensions. So, the list of better alternate choices could go on indefinitely. 'L'Avventura' and 'Marienbad' are the only extraordinary films of the lot.

After the superb selections of the last semester one expected a better performance from the part of LSC.

## movies...

# Renoir's 'Elusive Corporal' excellent

By Gilberto Perez-Guillermo

'The Elusive Corporal,' Jean Renoir's latest film, emerges as one of his major works, perhaps not at the level of 'The Rules of the Game' or 'A Day in the Country,' but a charming, moving, splendidly balanced mixture of comedy and tragedy just the same.

The film's main shortcoming is perhaps Jean-Pierre Cassel's inadequate performance as the prisoner of war who, in spite of repeated failures, consistently attempts to escape from a German prison camp in World War II. But Renoir's achievement remains a significant one, and 'The Elusive Corporal' is among the best films released so far this year.

Jean Renoir is one of the giants of the cinema. His films exhibit an intense lyricism which is highly personal, a deeply rooted appreciation of human values, a love of nature, a peculiar flair for comedy invariably linked to a serious issue, a master's sense of filmic structure. Renoir's view of the world is beautifully expressed with an economy of means. In 'Grand Illusion,' for instance, an empty table in the house of a German war widow becomes a stronger censure of war than extensive bloodshed has been in so many other films.

Superficially, one might be tempted to compare 'The Elusive Corporal' to 'Grand Illusion,' since they are both escape stories. However, the films are different in rhythm, in structure, in point of view. 'Grand Illusion' is the sad view of the end of an age, of men of different social classes together in a prison camp. 'The Elusive Corporal' is a study of individual freedom, of the solidarity of simple human beings in the midst of events they cannot shape. While 'Grand Illusion' cannot be enjoyed purely as an entertainment, 'The Elusive Corporal,' like 'The Rules of the Game,' can. With his technical simplicity, his understatement, Renoir allows the film to work perfectly at the entertainment level, while his deeper concerns remain there all the way.

Renoir's mise-en-scene gives the film its peculiar warmth. A friend's meeting in the rain; water drops cover the glasses of one of the men, who smiles happily at seeing his old pal. In a particularly tender moment, the corporal holds a German girl's hand; afterwards, they embrace, and the girl says: "I like a man who is not a slave." The corporal's friend with glasses attempts to escape from a prison camp; there is a ridiculous yet somewhat tragic farewell speech, after which the men, except for the corporal, follow the escaping man to the door of the barracks, and come back to the room, where the corporal is standing motionless. We see

THE ELUSIVE CORPORAL; adapted and directed by Jean Renoir; music by Joseph Kosma; photography by Georges Leclerc; with Jean-Pierre Cassel, Claude Brasseur; at the Brattle Theatre, Cambridge.

a close-up of the corporal's face as the men tensely await to find the fate of their friend. A splendid scene, a masterful mixture of comedy and tragedy, expressed simply and beautifully.

Three men attempt to escape by making the Germans believe they are measuring the distance between two points, one of which is close to the boundaries of the camp; a very funny scene, viewed in a few static shots, the first of which is maintained for some time. In a similar sequence in 'Stalag 17,' Billy Wilder follows the men with his camera, and the effect is considerably weaker, with a strong "look, this is Funny" flavor.

The film is full of funny moments, which Renoir has integrated into the portrait of a man's

desire for freedom, caused not by patriotism, political issues, or personal comfort, but by the feeling of freedom in itself.

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Starting Sunday "Great Battle on the Volga (Stalingrad)" 6:15, 8:15, 10:15

"Violin and Roller" 5:30-7:30-9:30, Sun. Mat. at 3:30

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Film Program

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**WEDNESDAY OCTOBER 2**

7:00 P.M.  
Room 10-250  
FREE

Lecture

**JOHN CIARDI**

**THURSDAY OCTOBER 3**

8:00 P.M.  
Room 26-100  
FREE

Contemporary Series

**"LA DOLCE VITA"**

**FRIDAY OCTOBER 4**

6:00 & 9:00 P.M.  
**KRESGE**  
60c

Entertainment Series

**"LOVER COME BACK"**

**SATURDAY OCTOBER 5**

5:15\*, 7:30, & 9:45 P.M.  
\*Episode #1 of "ZOMBIES OF THE STRATOSPHERE" at 5:00 P.M.  
Room 10-250  
35c

Classic Series

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## BSO season includes 8 open rehearsals; Leinsdorf conducts

The Boston Symphony Orchestra will present a series of eight Open Rehearsals this season. Erich Leinsdorf, Music Director, will conduct the majority of the Open Rehearsals. Pierre Monteux, Charles Munch and eminent soloists will be heard.

Originated in 1950 primarily for students in the Boston area, the Open Rehearsals are a preview of

the Orchestra's weekend concerts. They provide a unique opportunity to see and hear the Orchestra, conductors, and soloists as they perfect their programs.

Season tickets are now available for the eight Open Rehearsals at the Symphony Hall Box Office at \$15, a saving of 25 percent over the single sale price of \$2.50. Last season the series was sold out by subscription.

The first program will be given October 10, with programs November 14, December 19, January 16, February 6, and 13, March 19, and April 16. All begin at 7:30.

## Theatre Convention at BU next weekend

'The Emerging Theater' is the theme for the twelfth annual Convention of the New England Theatre Conference, held at Boston University this October 11 and 12.

The Friday program, from 3:00 to 6:00 in the University's School of Fine and Applied Arts, will focus on 'The Theatre Training Program in Secondary Schools.' On Saturday, from 10:00 to 3:30 at the University Theatre, panelists will speak on 'The Emerging Theatre.' The afternoon session will be a demonstration of improvisational theatre by the Second City Company of New York.

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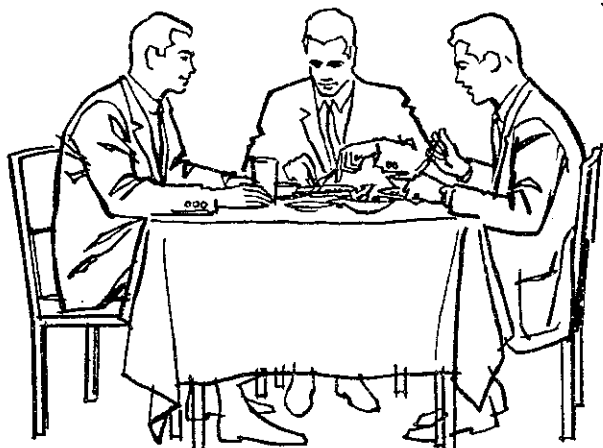
## new in the world of M.I.T.

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## TECH SQUARE HOUSE

Open Monday through Friday from 7:30 A.M. to 8:00 P.M. beginning October 7. Two-hour free parking at our doorstep.

## Movie Schedule

Wednesday, October 2 through Tuesday, April 23. (Unless otherwise stated the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 a.m.)

Astor — 'Wives and Lovers,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:45.

BEACON HILL — 'Lawrence of Arabia,' 9:30, 1:00, 4:40, 8:10, 11:40. Starting Fri.: 'Stolen Hours,' 10:00, 12:30, 2:00, 4:00, 6:00, 8:00, 10:00, 12:30, 1:30, 3:30, 5:30, 7:30, 9:30.

BOSTON CINEMA — 'How the West Was Won,' 8:30; matinee Wednesday, Saturday 2:00, Sunday 1:00, 4:45.

BRATTLE — Jean Renoir's 'The Elysian Fields,' 5:30, 7:30, 9:30, mat. Sat. at 3:30; Starting Sun.: 'Great Battle on the Volga' (Stalingrad), 6:15, 8:15, 10:15; Violin and Cello, 5:30, 7:30, 9:30. Matinee Sunday at 3:30.

CAPRI — 'The L-Shaped Room,' 10:30, 12:35, 2:45, 4:55, 7:10, 9:25.

CINEMA — 'Lord of the Flies,' 2:20, 4:15, 6:07, 8:00, 10:00.

EXETER — 'Mander at the Gallop,' 2:20, 4:10, 6:00, 7:45, 9:35.

FENWAY — 'Girl with an Itch,' 1:00, 3:43, 6:23, 9:09; 'Elysia,' 2:00, 4:51, 7:34, 10:17; 'Burlesque Queen,' 2:45, 5:26, 8:09.

FINE ARTS — 'Black Orpheus,' 7:00, 10:00; 'Nights of Cabiria,' 5:00, 8:30. Starting Friday: 'Carrier Nurse,' 'Carry On Sergeant,' no times available.

GARY — 'Johnny Cool,' 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00, 12:00, 1:30, 3:30, 5:30, 7:30, 9:30.

HARVARD SQUARE — 'Sparrows Can't Sing,' 2:00, 6:00, 8:00; 'This Sporting Life,' 3:50 and 7:50.

KEITH MEMORIAL — 'Love of Mo'ney,' 11:15, 2:50, 6:20, 9:55; 'A French Mistress,' 9:30, 1:00, 4:30, 8:10.

LEWIS ORPHEUM — 'The V.I.P.'s,' 10:15, 12:20, 2:40, 4:55, 7:10, 9:30; Sunday, 1:00, 3:00, 5:05, 7:20, 9:40.

LSC — Friday, 'La Dolce Vita,' Krage Auditorium, 1:56, 3:09, Saturday, 'Lover Come Back,' Room 10-25, 3:15, 7:50, 9:45; Sunday, 'Potemkin,' Room 10-25, 6:30, 9:00.

MAYFLOWER — 'The Caretaker,' 'The Mouse and the Moon,' no times available.

MUSIC HALL — 'Cleopatra,' 2:00, 8:00.

PARAMOUNT — '20,000 Leagues under the Sea,' no times available.

PARK SQ. CINEMA — '8 1/2,' 2:15, 4:30, 7:00, 9:30.

SAXON — 'Irma La Douce,' 11:30, 2:00, 4:30, 7:00, 9:30.

WELLESLEY COMMUNITY PLAYHOUSE — 'Bye Bye Birdie,' 'Drama of Africa,' evenings 7:45, matinee Wednesday, Saturday, 2:00.

## Theatre Schedule

CHARLES PLAYHOUSE — 'The Hage,' 8:30.

COLONIAL — 'The Girl Who Came to Supper,' evenings 8:30, matinee, Wednesday 2:15, Saturday 2:30.

HOTEL BOSTONIAN PLAYHOUSE — 'The Caretaker,' Tuesday-Friday 8:30, Saturday 6:00, 9:30, Sunday 3:00, 8:30.

IMAGE — 'Antigone,' beginning tomorrow, opening night, 8:00, other evenings, 8:30.

WILBUR — 'The Private Ear,' and 'The Public Eye,' evenings 8:30, matinee Thursday 2:15, Saturday, 2:30.

## BSO Concert

Sunday, Oct. 6, 3:00 p.m., Symphony Hall, Mr. Leinsdorf conducting: Hindemith, Symphonic Metamorphosis; Barber, Symphony No. 1; Brahms, Symphony No. 1.

Friday, Oct. 4, 2:00; Saturday, Oct. 5, 8:30; Symphony Hall, Erich Leinsdorf conducting: Cornelius, Overture to 'The Barber of Bagdad'; Beethoven, Symphony No. 2; Prokofiev, Symphony No. 5.

## PAYING JOBS IN EUROPE

Grand Duchy of Luxembourg.  
Oct. 2, 1963 — The American Student Information Service is accepting applications for summer jobs in Europe. Openings include office jobs, lifeguarding, factory work, shipboard work, child care work, resort and sales work. Wages range to \$400 a month.

ASIS also announced that residential funds permit the first 4000 applicants travel grants of \$165 each. Interested students should write to Dept. O, ASIS, 22 Ave. de la Liberte, Luxembourg City, Grand Duchy of Luxembourg, requesting the ASIS 24-page prospectus with job selection and travel grant and job applications. Send \$1 for the prospectus and airmail postage. The first 8000 inquiries receive a \$1 credit towards the new book: Earn, Learn and Travel in Europe.



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## MIT sponsors undergraduate physics research

An experimental curriculum to give undergraduate physics students a new kind of experience in basic research has met with preliminary success, according to its sponsors, Dr. David H. Douglass Jr. and Prof. Malcolm W. P. Strandberg of MIT's Physics Department.

The program gives undergraduates a chance to perform experiments and make experimental measurements under the supervision of research scientists in laboratories where actual research projects are conducted.

The experimental project grew out of a conviction of Douglass and Strandberg that students do not know enough about research at the time that they enter their first extensive research experience, the doctorate program. "A student entering the doctorate program must know that research is different from scholarship. The

difference between creative research and scholarship is as great as that between learning to write a novel and learning to read a novel intelligently," said Douglass and Strandberg in their recent report to the American Institute of Physics.

The program was offered to 16 juniors who spent about 4 hours a week working with faculty researchers on their respective projects. The students were divided into small groups of 3 or 4 and rotated from experiment to experiment, receiving orientation in each new area from the researcher in charge of the project. All sixteen students in the limited-registration program said that they would be interested in signing up again.

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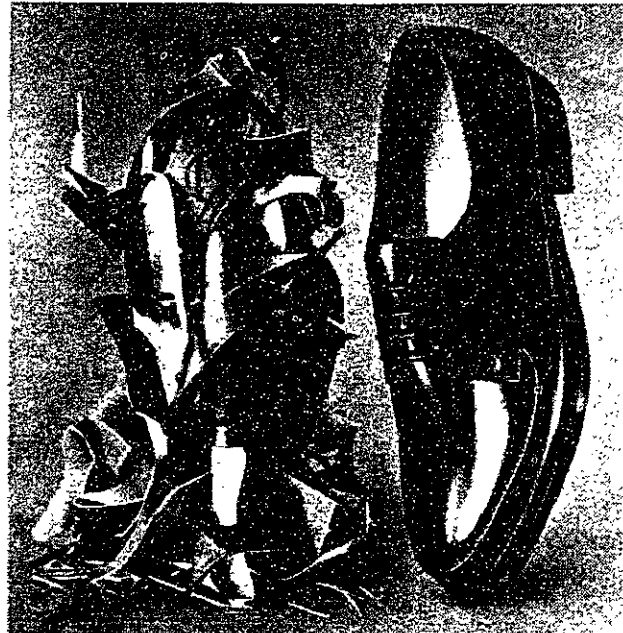
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## College tuition rise is national trend, More scholarships offset high costs

By Harvey Deitel

Because of increased costs and inadequate appropriations, students in most public colleges and universities are now faced with the problem of impending tuition increases. Several of our country's major institutions of higher learning have announced that tuition costs will rise to \$1800 to \$2000 within the next few years.

According to a survey recently published by the Life Insurance Agency Management Association, at least 50 major colleges and universities now charge between \$1400 and \$2000 per year for tuition, and at least half of these have made it known that they intend to increase these costs substantially during the 1964-65 school year. Among the anticipated increases are Cornell (\$450), Harvard (\$240), Yale (\$150), Columbia (\$125), and Dartmouth (\$120).

Not only are costs increasing, but they are also being initiated at previously tuition-free schools. New York's Governor Rockefeller recently announced his intention of charging a tuition at all state supported schools.

Why does a tuition rise at one institution lead to rises in others? According to President George Beadle of the University of Chicago, "There is a tendency for similar universities to stay within the same tuition range." In explaining why this tendency exists, Mr. Beadle says, "A university has a responsibility to be strong and not to overlook sources of income that would make it stronger."

### Graduate record exam

Graduate record examination registration forms are due November 1 for the examination to be administered November 16.

The exams, required for many graduate fellowships, are conducted in seventeen areas of achievement. An aptitude test is also administered at the same time.

An information bulletin for the tests is available from Educational Testing Service, Princeton, New Jersey.

Test dates for 1964 include January 18, March 7, April 25, and July 11.

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Mr. Beadle further said that "tuition increases should always be accompanied by expanded scholarship funds. Students with established financial need would not be made to suffer because of a tuition increase."

Therefore, we should note that increases are intended to affect those who can pay for them. According to Mr. Beadle, increasing tuition costs would cause philanthropic organizations such as the National Merit Scholarship Corporation to pour more money into scholarship awards.

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## WHAT'S NEW IN THE OCTOBER ATLANTIC?

"Speed and Women": While convalescing from his accident, Stirling Moss, legendary racing driver, spent many hours with Ken W. Purdy. In this exciting Atlantic Extra, the two talk about some of the fears, problems and temptations that beset a racer.

ALSO

Vance Packard: Mr. Packard foresees a dramatic improvement in TV fare due to new cable TV, pay TV, tape TV to buy or rent, and other new techniques.

"Britain's Policy if Labour Wins": Labor Party leader Harold Wilson tells what Britain's new foreign policy would be under a Labor Prime Minister.

Poetry: by Robert Graves, Theodore Roethke, Stanley Kunitz.

"Saying What One Means": Freya Stark tells why accuracy of language is the basis for any writing style.

Month in and month out The Atlantic's editors seek out exciting expressions of new and provocative ideas. And whether these expressions take the form of prose or poetry, fact or fiction, they always attain a remarkably high level of academic value and literary interest. Make room in your life for The Atlantic. Get a copy today.



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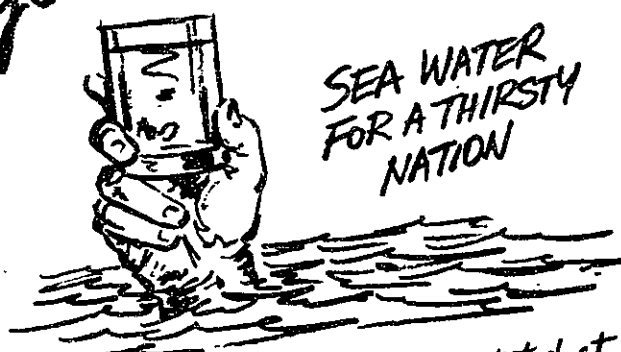
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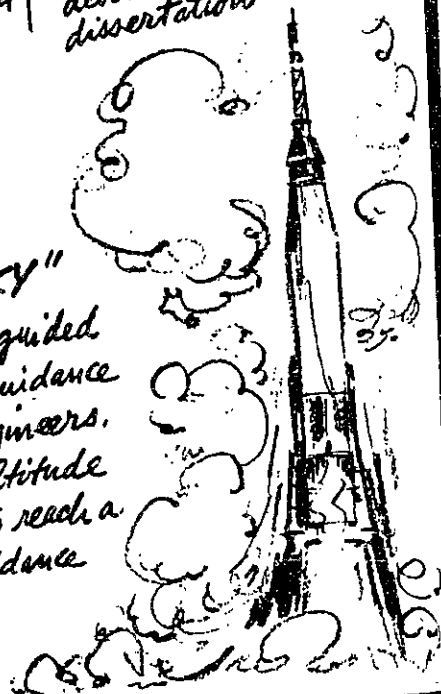
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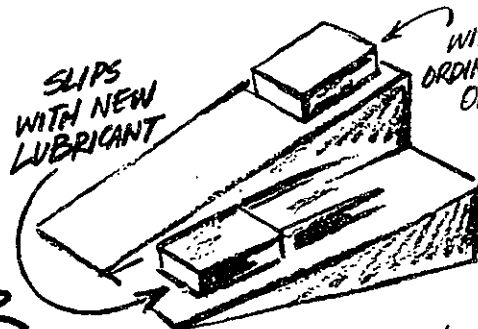
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## Intramural netmen begin tournament

The 1963 intramural tennis season was scheduled to get underway last Monday. As in the past, the schedule will consist of a single-elimination tournament.

A living group may enter more than one team, but each team must consist of seven men. There will be three singles and two doubles matches to a contest, and all matches will be played concurrently.

Matches will be played from 5 to 6:30 pm Monday through Thursday and 1 to 5:30 pm Saturday and Sunday. All matches up to the semifinal round will consist of a single game set that must be won by two games. If a team shows up for a match 15 or more minutes late, it will forfeit the match.

## Teachers at MIT among highest paid in nation; National salary increase falls off from last year

The American Association of University Professors has issued a survey of 667 institutions of higher learning in this country, ranking their faculty pay scales. M.I.T. and twelve others were given an "A" rating, highest of any awarded this year.

Harvard slipped back to an "A" rating from last year's "AA" rank with which it alone was honored. Newcomers to the high "A" category were Caltech, Wesleyan University (of Connecticut), and The University of Rochester. They joined MIT, Duke, Princeton, Yale, Amherst, City College of New York, Hunter College, Queens College, and Brooklyn College.

The survey also reported that the range of salaries among col-

lege faculty has decreased, while the trend of increasing mean salary also lessened. Last year's rate of increase was 6.5 per cent as opposed to an 5.8 per cent this year.

The survey also reported marked improvements in Negro institutions in the South, however, average compensation was still more than \$2000 below the national average of liberal arts salaries.

## Golfers bow in first 3 matches to Vermont, RI, Merrimack

By Ted Trueblood

The Tech golf squad got off to a rather poor start this fall as they went down to defeat before teams from Rhode Island, Vermont and Merrimack. The golfers suffered these defeats in their only home matches at the Oakley Country Club during this year's four-meet fall schedule.

### Vermont Edges MIT

The most recent match, held last Friday at Oakley, was a triangular 18-hole affair. The Tech golfers dropped a close 4-3 set to Vermont and went down 5-2 before the Rhode Island team. MIT's team finished the meet with an 82-stroke overall average. Co-cap-

tain Emilio Sardi '64 was low man with 77.

Sardi and John Eck '64 won both ends of their threesomes while Roy Carver '65 split his, winning over the Vermont player and losing to the Rhode Island man. Number one man, co-captain Bill Larkin '64, was high in his match as were Peter Lubitz '65, Dick Shoemaker '66 and Harry Barnes '66. Vermont's Donnelly was low man in the 18-hole match with a 6-under par score of 65.

### Techmen Fall to Merrimack

Tech's golfers entered a 7-man team in a pre-school match with Merrimack September 20. The Techmen, playing without the services of several of their regulars, lost to Merrimack by a score of 602-607.

Yesterday the golf team travelled to Brandeis for a 3-way meet with Brandeis and Boston College. This match was the last one for MIT before the ECAC Qualifying Rounds at the Misquamicut Club next Thursday and Friday.

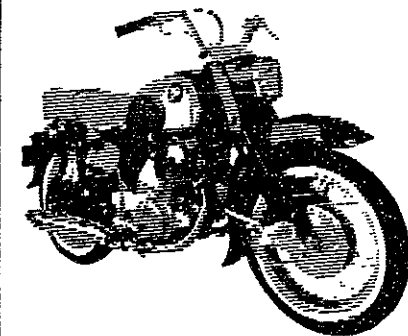
## New bubble chamber used at Brookhaven

The United States Atomic Energy Commission and Brookhaven National Laboratory have announced that the first photograph of nuclear interactions in the 80-inch Liquid Hydrogen Bubble Chamber at Brookhaven was made recently.

The Bubble Chamber is housed near the Brookhaven 33 billion-electron-volt Alternating Gradient Synchrotron, adjacent to the one-half-mile circumference tunnel in which is located Brookhaven's main magnetic ring.

Accelerated particles from a target in the Synchrotron are guided electromagnetically out of the ring and into the Bubble Chamber, where the interactions between the bombarding particles and the nuclei of the hydrogen atoms in the chamber are photographed. Although the particles themselves are far too small to be observed, the tracks of minute bubbles they leave momentarily in the chamber can be illuminated against a dark background and photographed. The photographs are subsequently analyzed by scientists to determine the nature of the nuclear events that occurred. By these means it is hoped to learn more about the fundamental particles that comprise all forms of matter, and the forces within the atomic nucleus.

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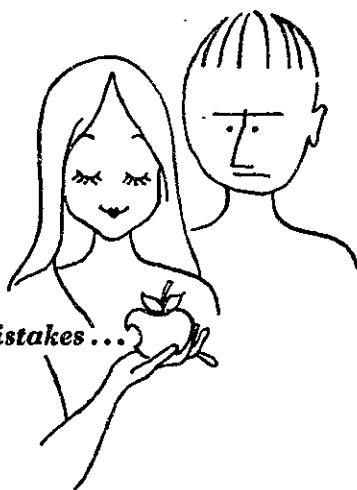
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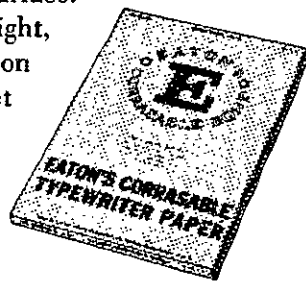


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# Men to watch: Mehrabian, Dunford, Sumner Brown

THE TECH

WEDNESDAY, OCTOBER 2, 1963

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Three men to watch in MIT sports this fall are Bob Mehrabian '64, Dave Dunford '64, and Sumner Brown '66. Mehrabian, Tech's Dunford a baseball all-star in the Spring, and Brown starring in indoor and outdoor track in the fiery soccer captain, has been one of the leading kickers in New England for two years. Soccer goaltender Dunford and ace harrier Brown are noted year-round athletes, Dave Dunford Winter and Spring.

Mehrabian Leads Soccer Offense Mehrabian, Tech's 5'6" center forward, has been the sparkplug of MIT's soccer offense for two years. He led the Engineers to a 7-2-1 season in his sophomore year. Mehrabian scored 13 goals in 8 games that year to place first in the New England Intercollegiate Soccer League scoring competition. He again led the Techmen in scoring with six goals last year as they finished with a 6-1-1 record.



Dunford broke into the soccer lineup last year when goalie Pete Svahn '63 was injured. He had 18 saves and gave up 6 goals in four games last season. Tech downed Brandeis 4-2 and defeated WPI 4-2 while he was in the nets.

In addition to his skill at soccer, Dunford was named as an outfielder on the Greater Boston all-star baseball team last spring. Dunford batted a resounding .356 to lead his squad's offense.

Soccermen Look for Best Season Tech's soccer team has just missed qualifying for the NE

Tournament in the last two years. The Engineers were eliminated from competition in 1961 by a 1-1 tie with Middlebury and in 1962 by a 4-1 loss to Middlebury. With Mehrabian to supply the scoring punch and Dunford to tend the net, Sumner Brown the Techmen are looking forward to their best season this fall.



## Brown Wins 6, Sets 2 Records

Brown won six cross country races and set two course records last year. The 5'7" runner from Pittsburgh, Pa. covered the 2 1/2 mile course at Williams last year in a time of 14:23.8. He ran the 2.9 mile event in the Eastern Collegiate Cross Country Championship in a time of 14:11.

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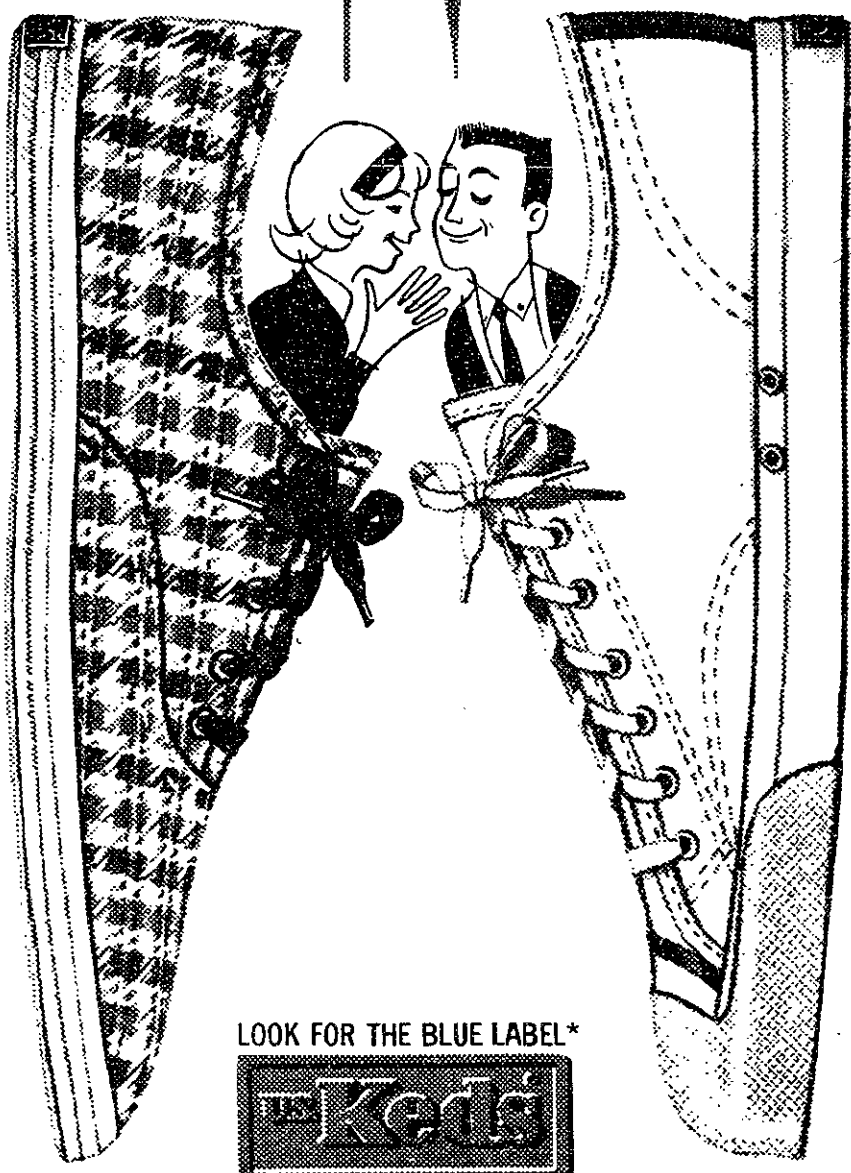
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# Autumn baseball campaign begins with losses against BU, New Bedford

The MIT baseball team opened its fall season last week with losses to Boston University and New Bedford Tech by scores of 7-5 and 15-5 respectively. Both games were played on Briggs Field.

The Tech batsmen helped Soph chucker Larry Calof to a 5-1 lead

after five innings of play against BU. Tech's big inning was the third, when captain Don Alms '64 singled, and scored on Calof's long triple. Jim Bauman '64 walked, Dennis Hinrichs '64 singled to score Calof, and Bauman scored on an error.

BU scored an unearned run in the fifth, then added three in the sixth on three walks and a triple by Fox. They scored two in the seventh on a single, error, and passed ball, and added another in the eighth on Jack Clough's home run.

Fast-baller Calof went the distance for MIT. The winning pitcher was McKenny, who pitched the last three frames.

New Bedford Tech scored 15 runs on 13 hits to rout MIT 15-5 Saturday, Sept. 28. Hank Gambadella led the New Bedford attack with four hits and five RBI's.

## On Deck

Friday, October 4

Soccer—Trinity, Away 3:15 pm  
Golf—E.C.A.C. Qualifying Rounds at the Misquamicut Club

Saturday, October 5

Cross Country—R.P.I., W.P.I., Away, 2:30 pm  
Cross Country—(Freshman) R.P.I., W.P.I., Away, 2:00 pm  
Golf—E.C.A.C. Qualifying Rounds at the Misquamicut Club  
Sailing—Hexagonal at M.I.T.  
Sailing—(Freshman) Hexagonal at Tufts

Sunday, October 6

Sailing—Hoyt Trophy at Brown

# IM squads invade gridirons

MIT's intramural warriors began their battles on the gridirons behind the West dorms this past Saturday. Seven contests were played in a weekend schedule abbreviated by Sunday's rains.

## DU's Ramp

Last year's runner-up in the A-league tourney scored an overwhelming 39-0 triumph over Baker House. The Bakerites were held to four first downs by DU's hard rushing, and DU quarterback Jim Allen '64 dazzled the Baker secondary with four touchdown passes. His chief target, Pat Dawe '64, tallied 18 points.

## Fijis, LXA Win Shutouts

Phi Gamma Delta utilized powerful line play and the excellent field generalship of quarterback Roy Wittenbach '65 to smash Sigma Chi, 35-0. This contest was completely dominated by the Fijis.

A scoring run by Bob Calvert '67, and a touchdown pass from Tom Tennison '67 to Gary Lukis '64 accounted for all the points, as Lambda Chi Alpha beat East Campus, 12-0. The Lambda Chis

were semifinalists in last year's tourney.

The closest contest of the afternoon was a 7-6 battle won by Phi Kappa Sigma over Burton B. PKS scored early on a long run by Marty Stieglitz '64, and then held off a second half Burton rally to win.

A stubborn defense, sharp pass-

ing, and outstanding catches by ends Rex Ross '66 and Jim Roberge gave Delta Kappa Epsilon a 29-6 victory over Baker B. In other action, Grad House Dining Staff whitewashed Phi Beta Epsilon by 28-0, and Theta Delta Chi overpowered Kappa Sigma 26-7, as Marty Ormond '64 scored 18 points.



Delta Upsilon's hard-charging Mike Dare '67 (far right) demonstrates the pressure put on Baker A throughout the game in DU's 39-0 win in Saturday's IM football action.

—Photo by George Jelatis

# 9.01

## Introduction To Sports

## Athletic Association

By Jim Allen

One of the most important aspects of the athletic program at MIT is the role played by the students in the administration of athletics. The large number of opportunities where students can handle important responsibilities, indicates the confidence of MIT in both the values and abilities of student management.

## Captains Form T-Club Council

The Athletic Association is made up of representatives from each area of the athletic program. The captains of each sport together form the T-Club Council headed by the President of the T-Club. As actual participants in competition the captain is in one of the best positions to discern the real benefits of the intercollegiate program. His judgement is particularly valuable in setting up short range programs like team gatherings as well as longer range plans such as the scheduling of opponents.

## Managers Represent Each Sport

The head manager of each sport is the coach's delegate to the Athletic Association with regard to operation of the individual teams. As the controller of the team budget, the manager has the responsibility of making sure his team is transported, lodged and fed well. He is in the best position to determine where money can be saved and the longer

range requirements of his team in planning future budgets.

## Council Handles IM Program

Since the early history of MIT, the intramural program has been run by the students who form the Intramural Council. The managers of each of the 16 intramural sports under the leadership of the Intramural Vice-President decide on the policy of the entire program. Everything from scheduling to referees is handled by the intramural manager. Protests, eligibility or other items involving the whole program are handled by the Council.

## New Program: Club Sports

The newest program organized under the Athletic Association controls the club sports. These games provide the competition of the intercollegiate schedule as well as the casual atmosphere of intramurals. Under the Club Vice-President, the teams are able to use the facilities and medical services and obtain funds for equipment and trips.

The Athletic Association is directed by the Executive Committee made up of the president, varsity, intramural and club vice presidents, the T-Club president, the recorder and the publicity manager. Each of these 6 officers meet once a week with the Director of Athletics to discuss projects and student opinion.

Once a month during the school year the Athletic Board meets to

discuss the overall philosophy of athletics in general and render final judgement on important decisions. This board is made up of three faculty members, three alumni, four representatives from the Athletic Association, the Director of Athletics, the Assistant Director, the Dean of Students, the MIT Planning Officer and the Medical Director.

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